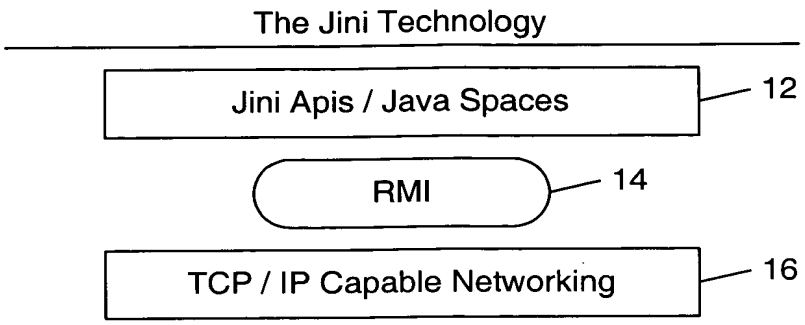


Fig. 1
(Prior Art)

9956364-080600

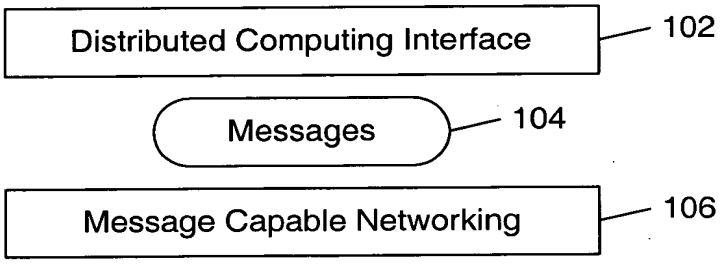


Fig. 2

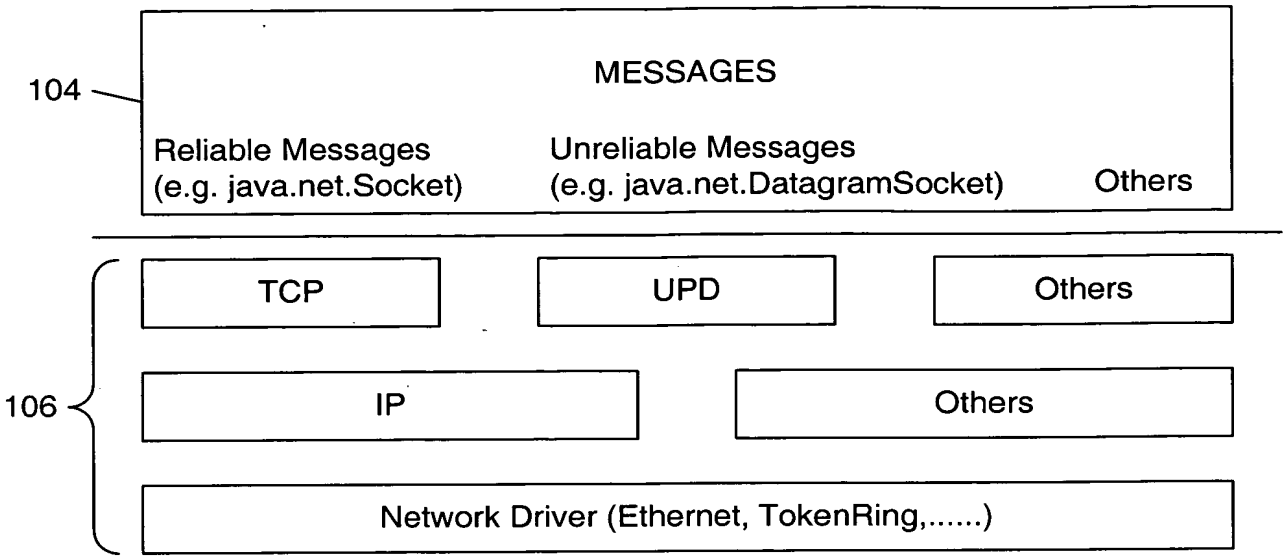

104
MESSAGES
Reliable Messages
(e.g. java.net.Socket)
Unreliable Messages
(e.g. java.net.DatagramSocket)
Others
106
TCP
UPD
Others
IP
Others
Network Driver (Ethernet, TokenRing,.....)

Fig. 3

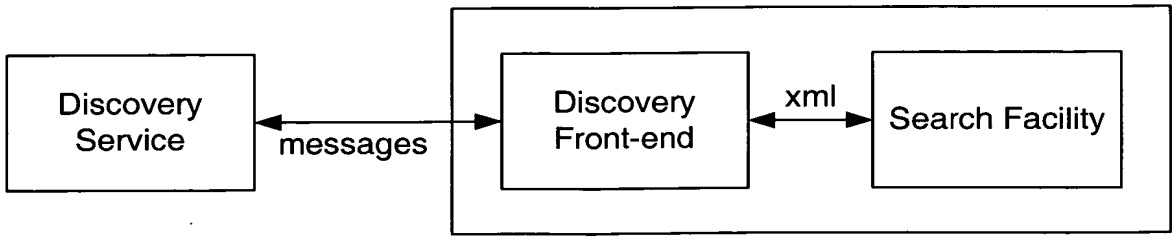

Discovery
Service
messages
Discovery
Front-end
xml
Search Facility

Fig. 4

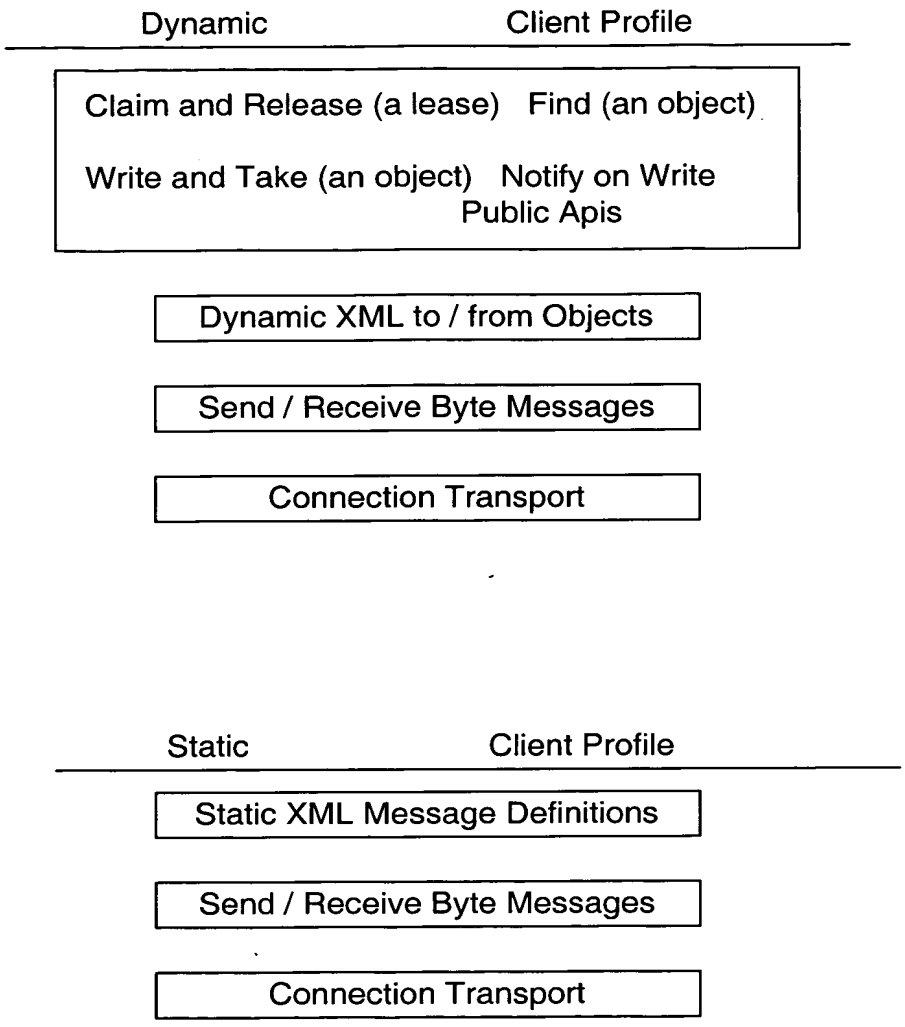


Fig. 5

0505304-0080500

09505454.080300

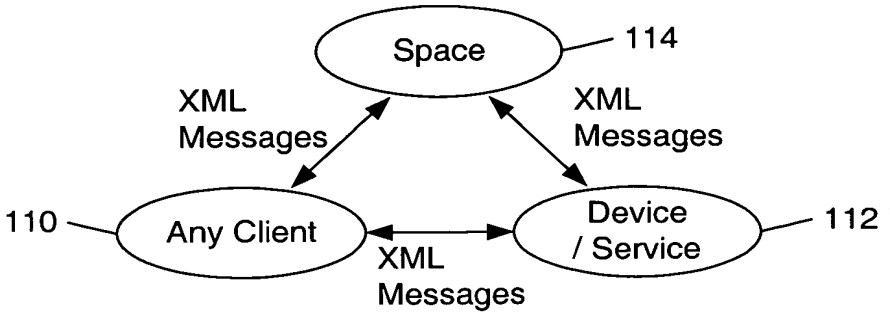


Fig. 6

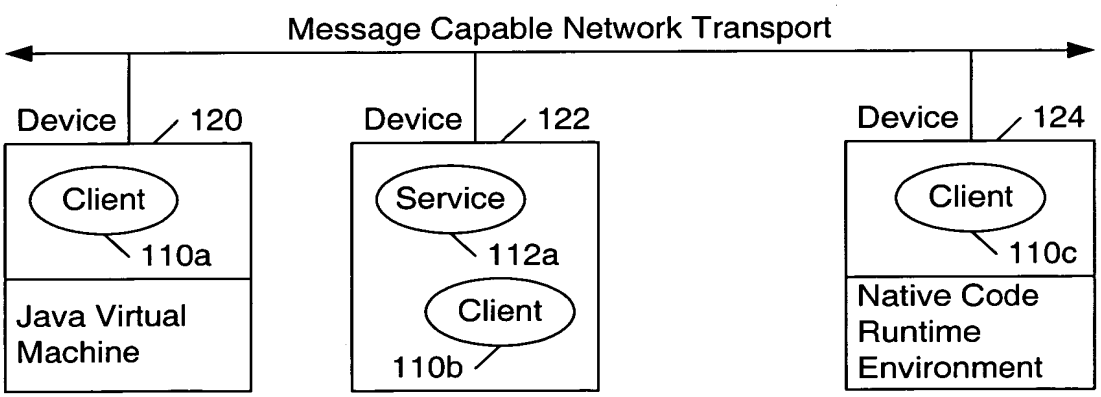


Fig. 7

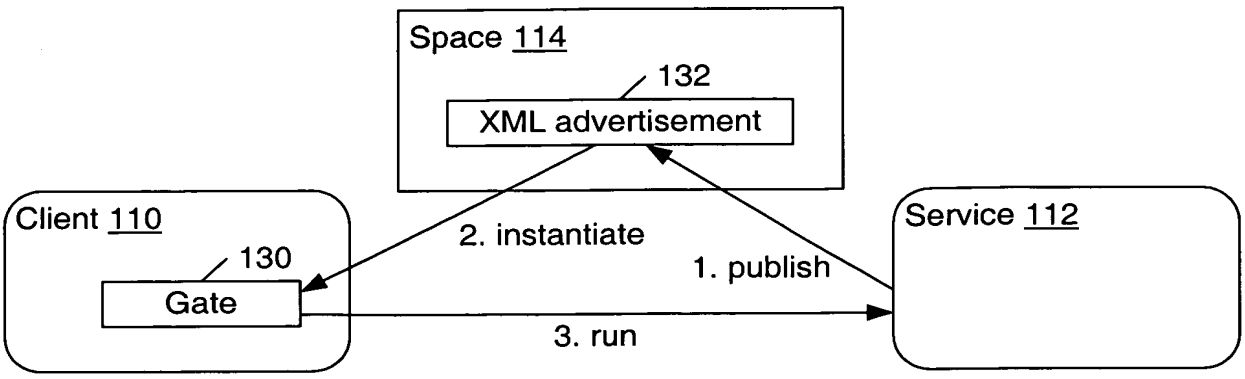


Fig. 8

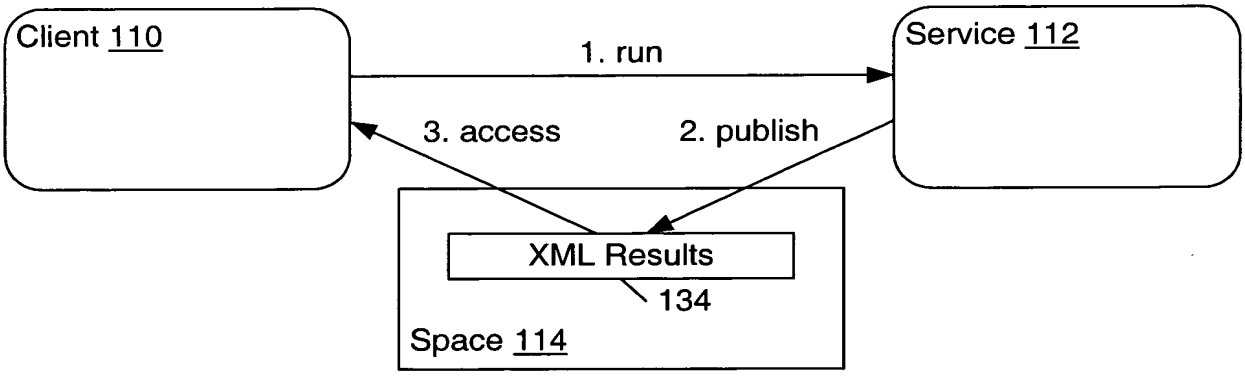


Fig. 9

Docket No. 200309-US-NP

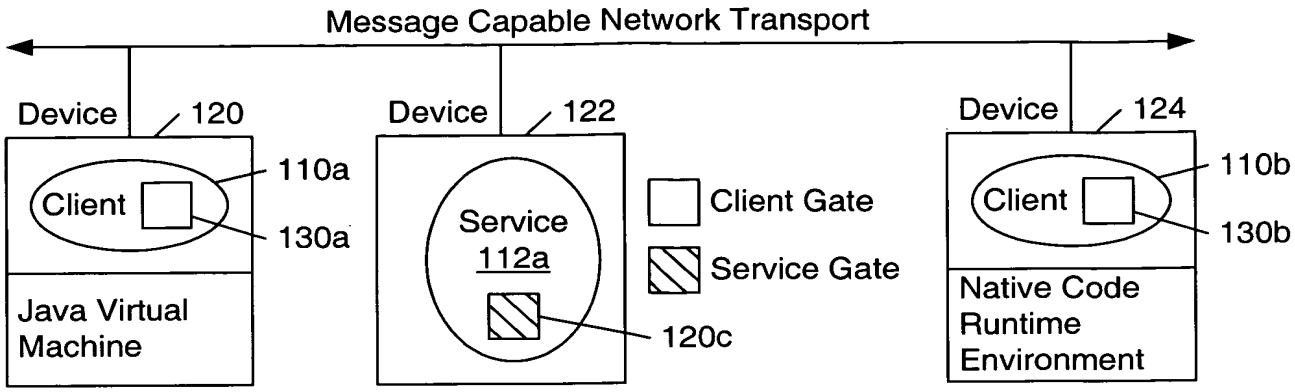


Fig. 10a

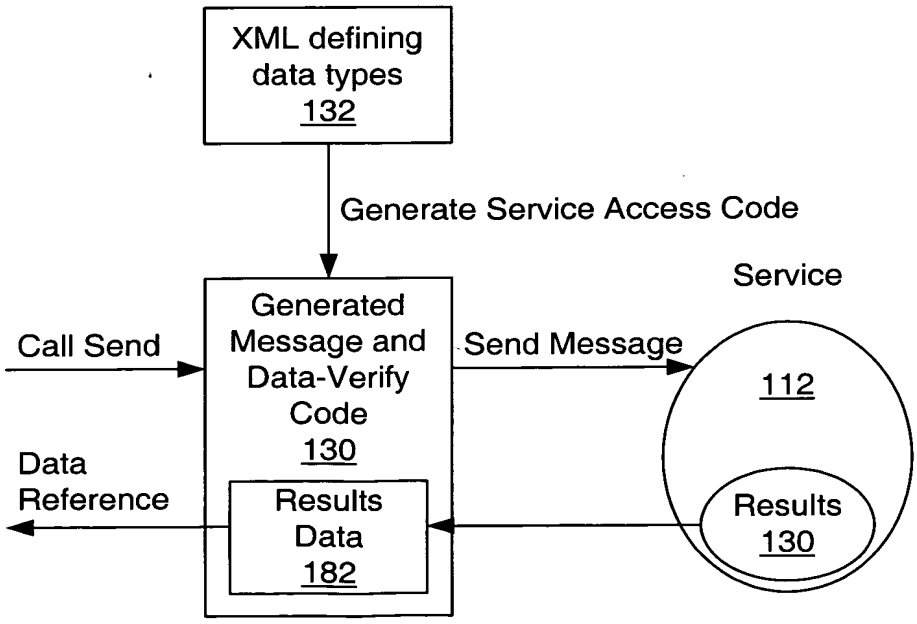


Fig. 10b

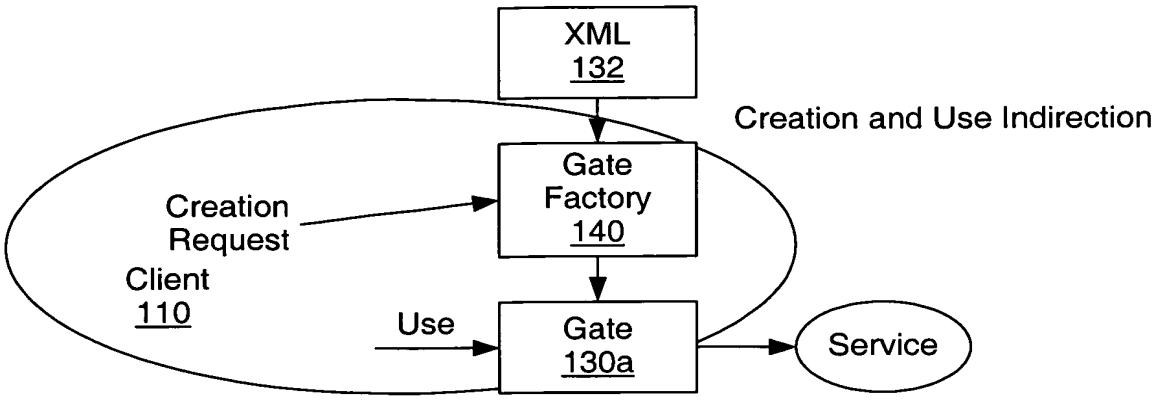


Fig. 11a

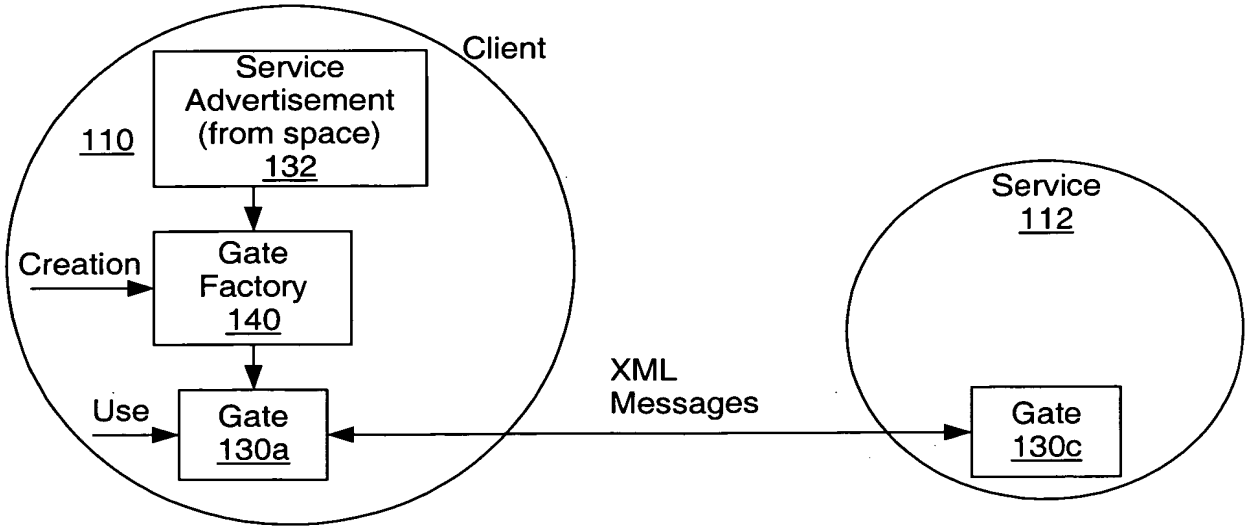


Fig. 11b

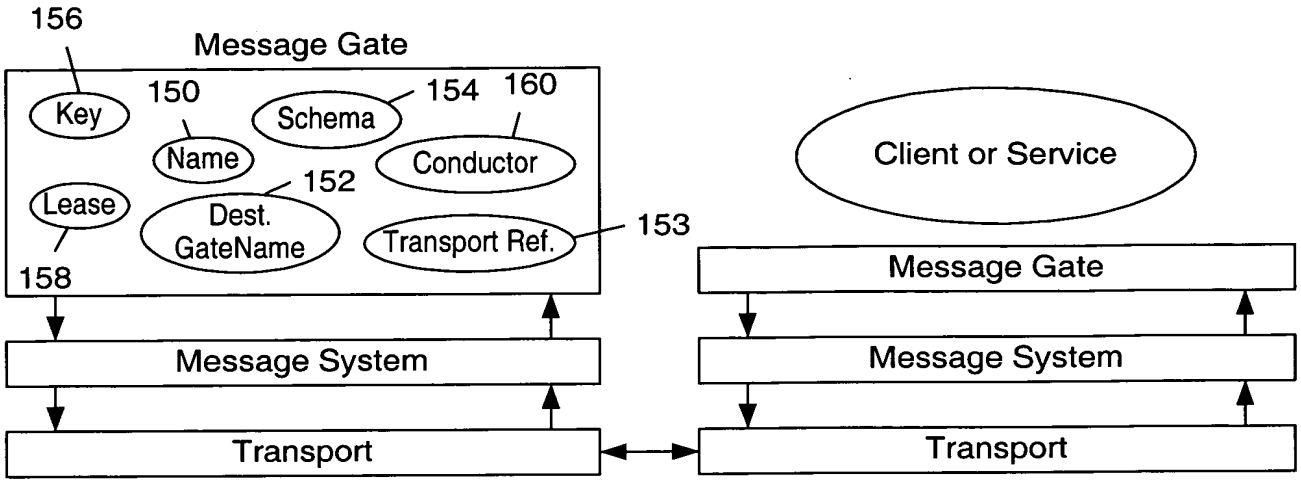


Fig. 12

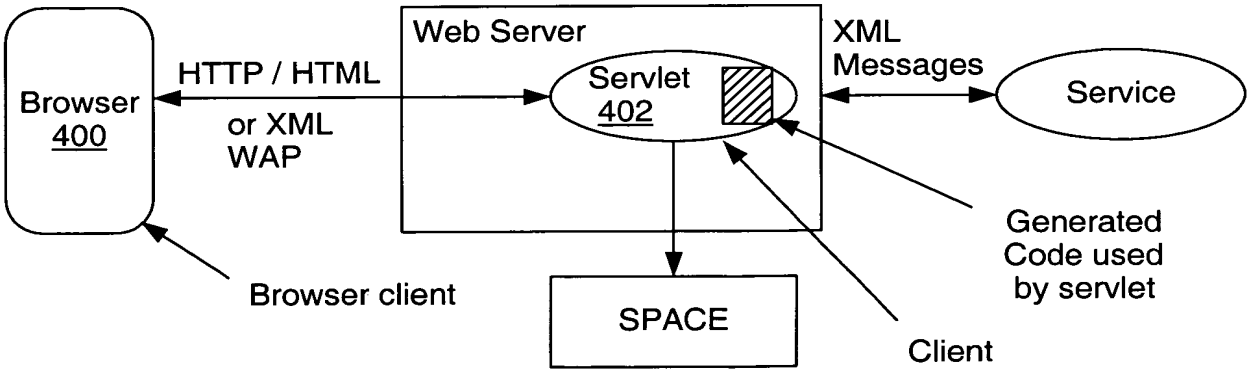


Fig. 13

Docket No. 60035.0004US01

09655354-060400

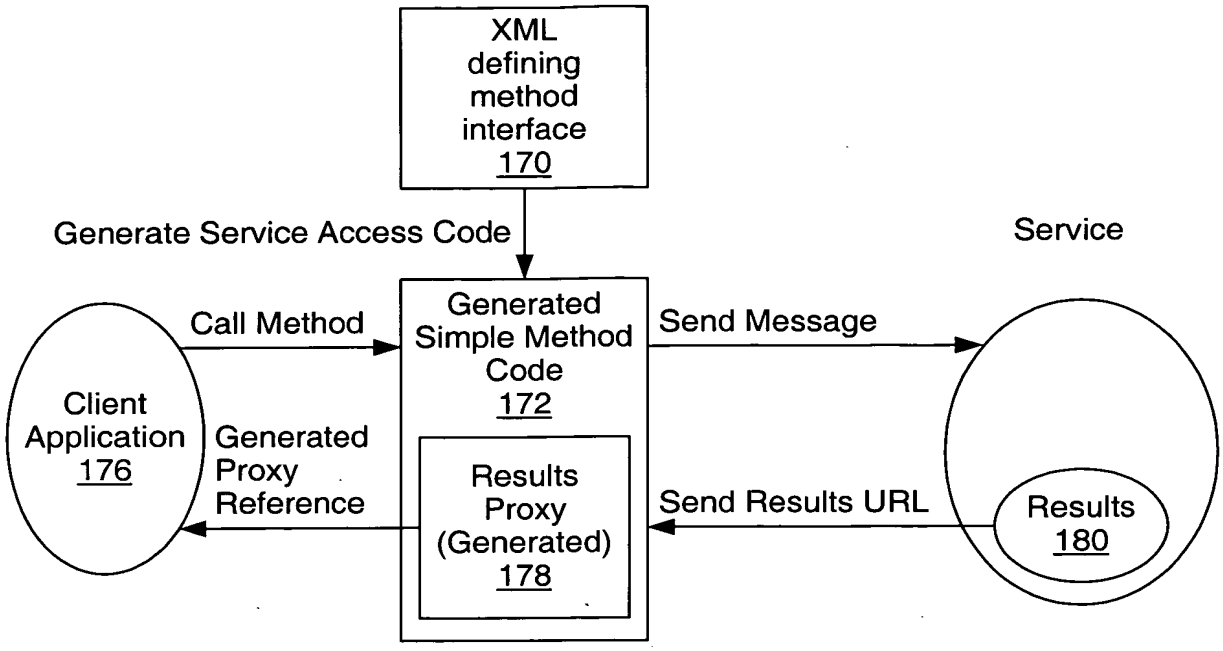


Fig. 14

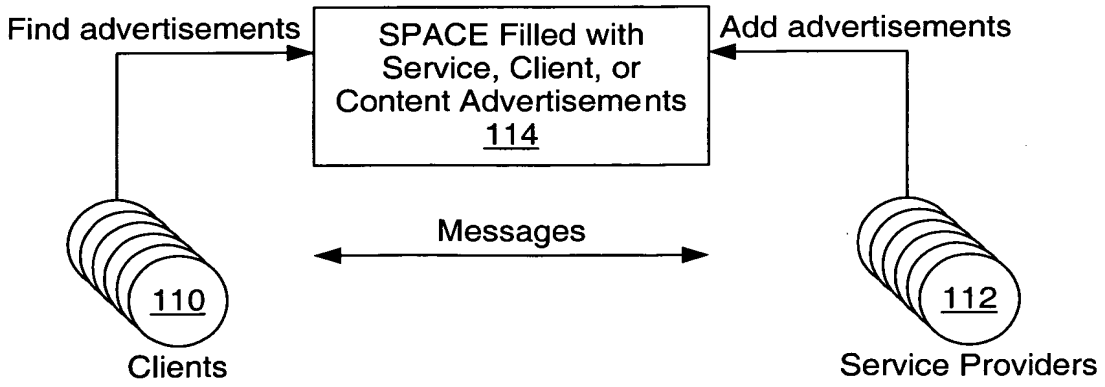


Fig. 15

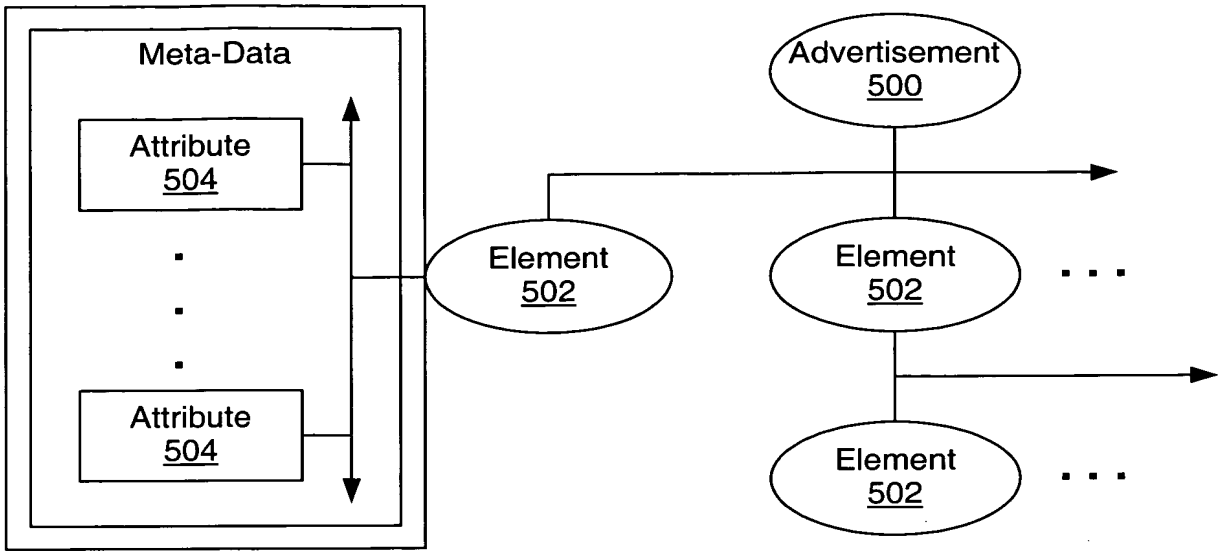


Fig. 16

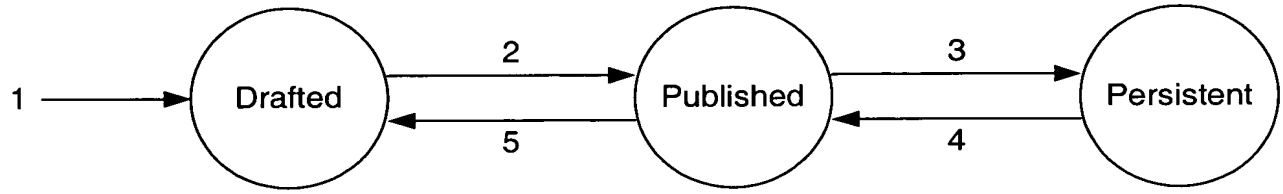


Fig. 17

0054-0056-0000

00T280"hT9E5960

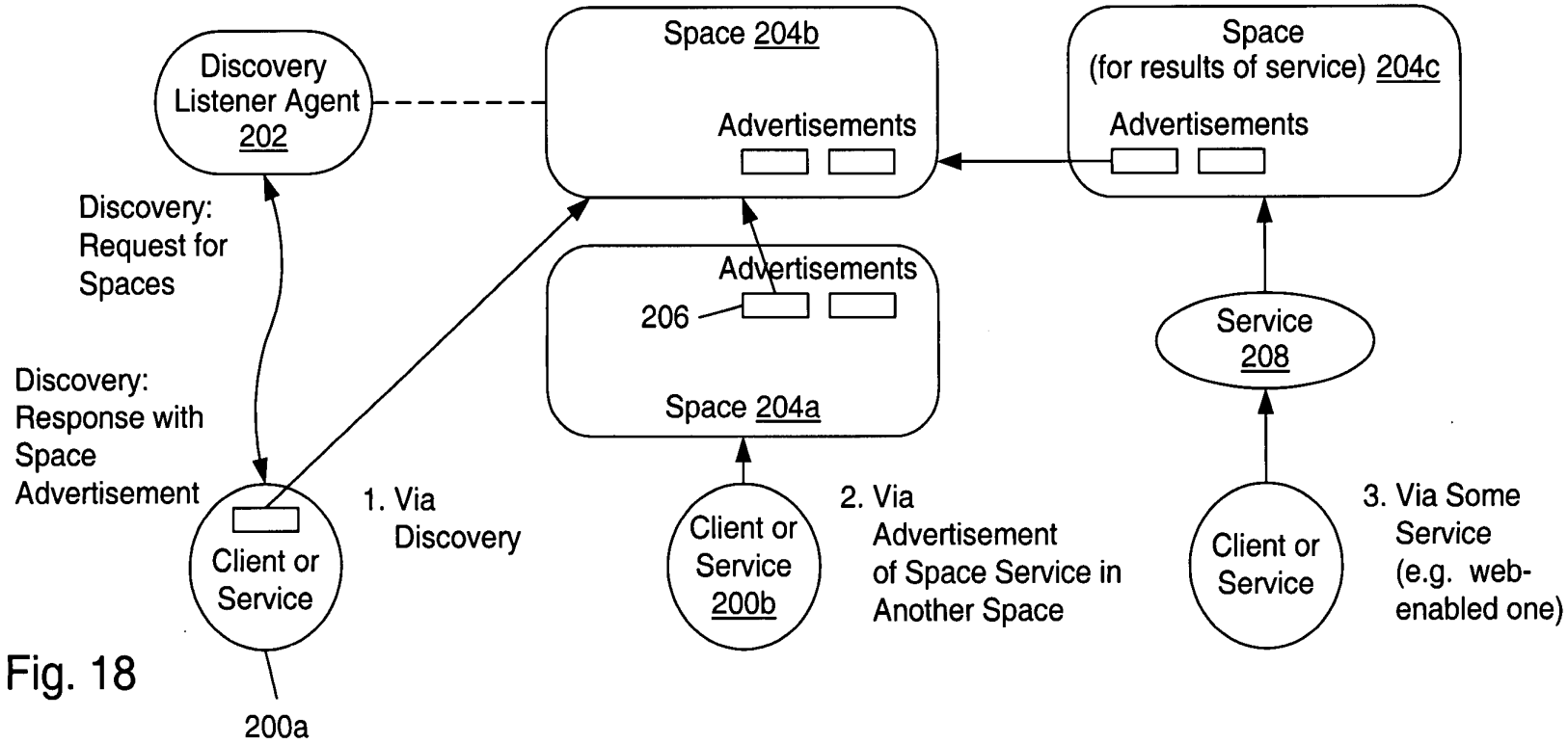


Fig. 18

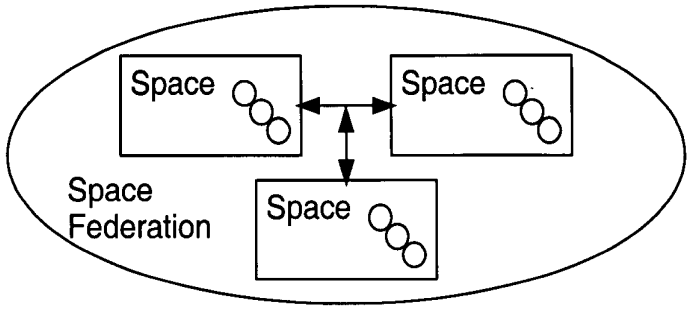


Fig. 19

0605394-060501

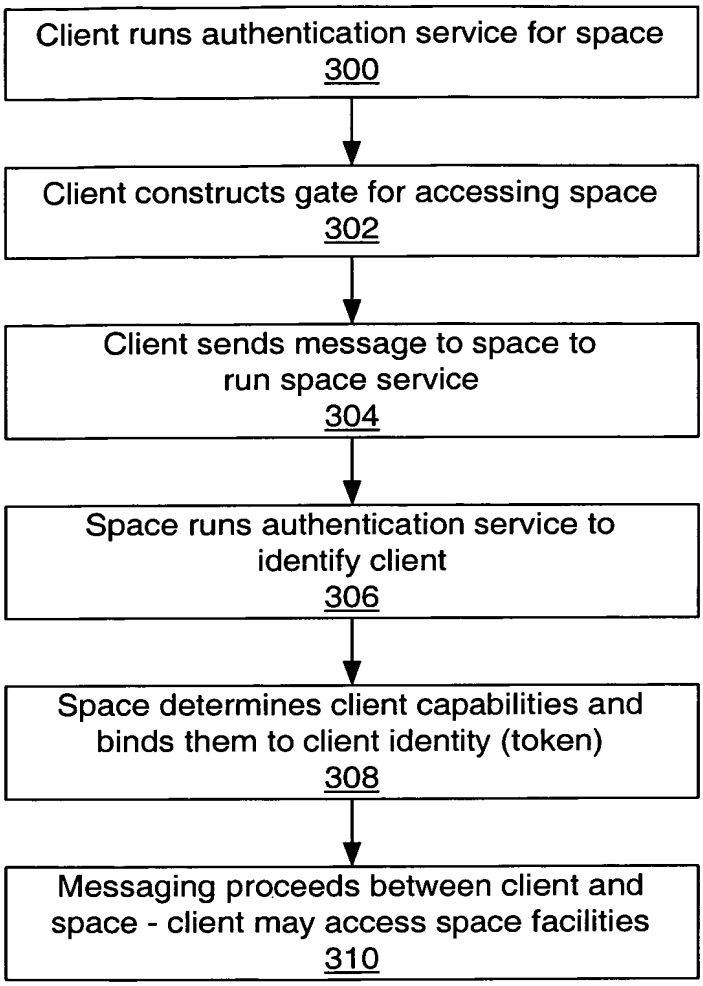


Fig. 20

0070801 "hT9E5960

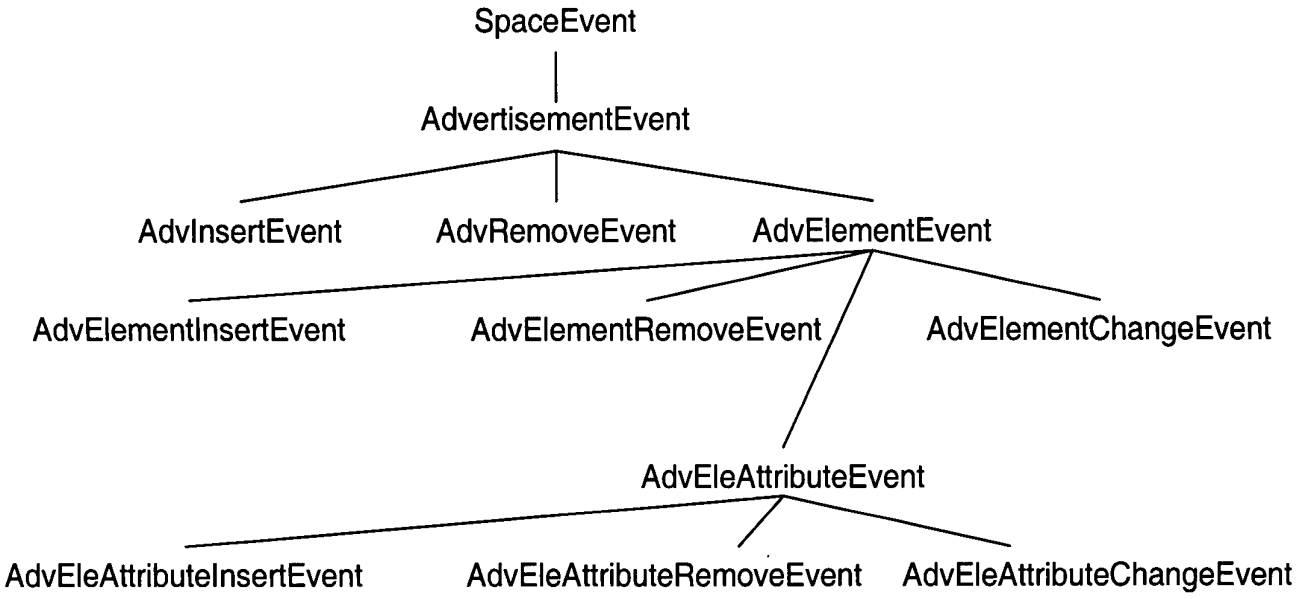


Fig. 21

0605.1400-000

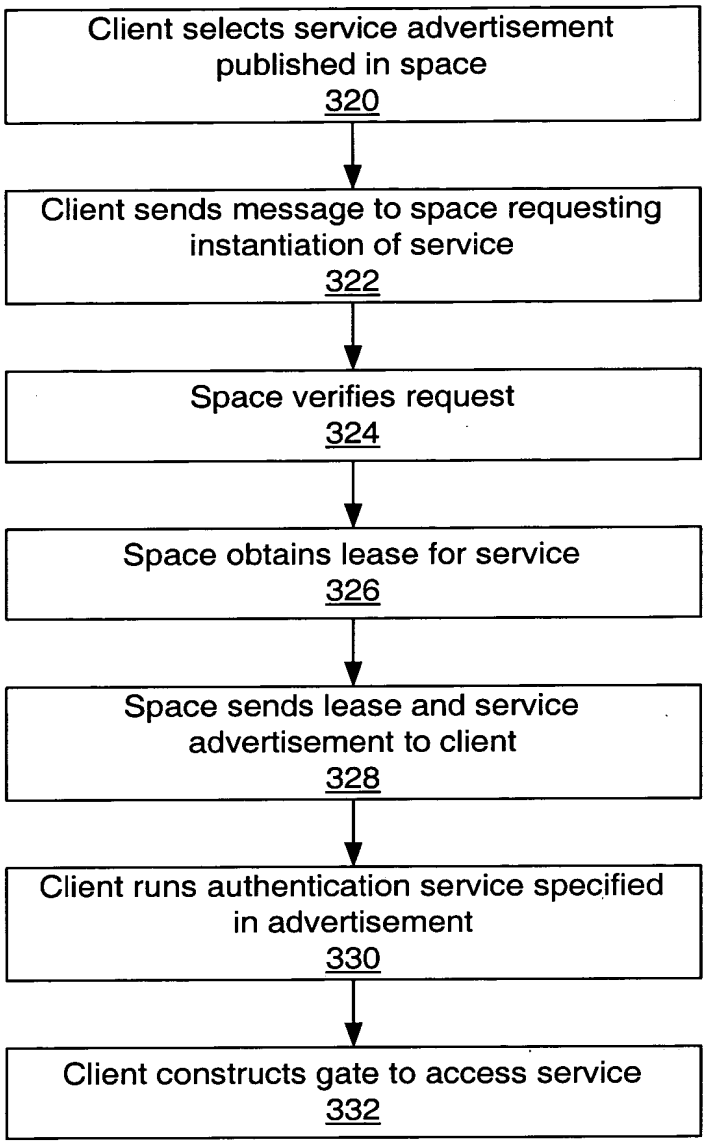


Fig. 22

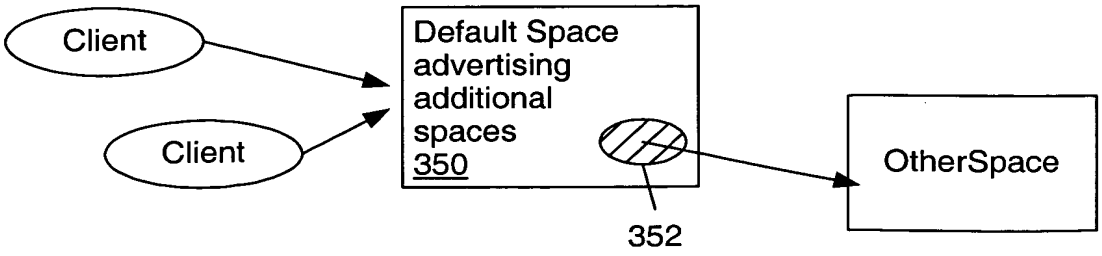


Fig. 23

0016801 "hT9E5960

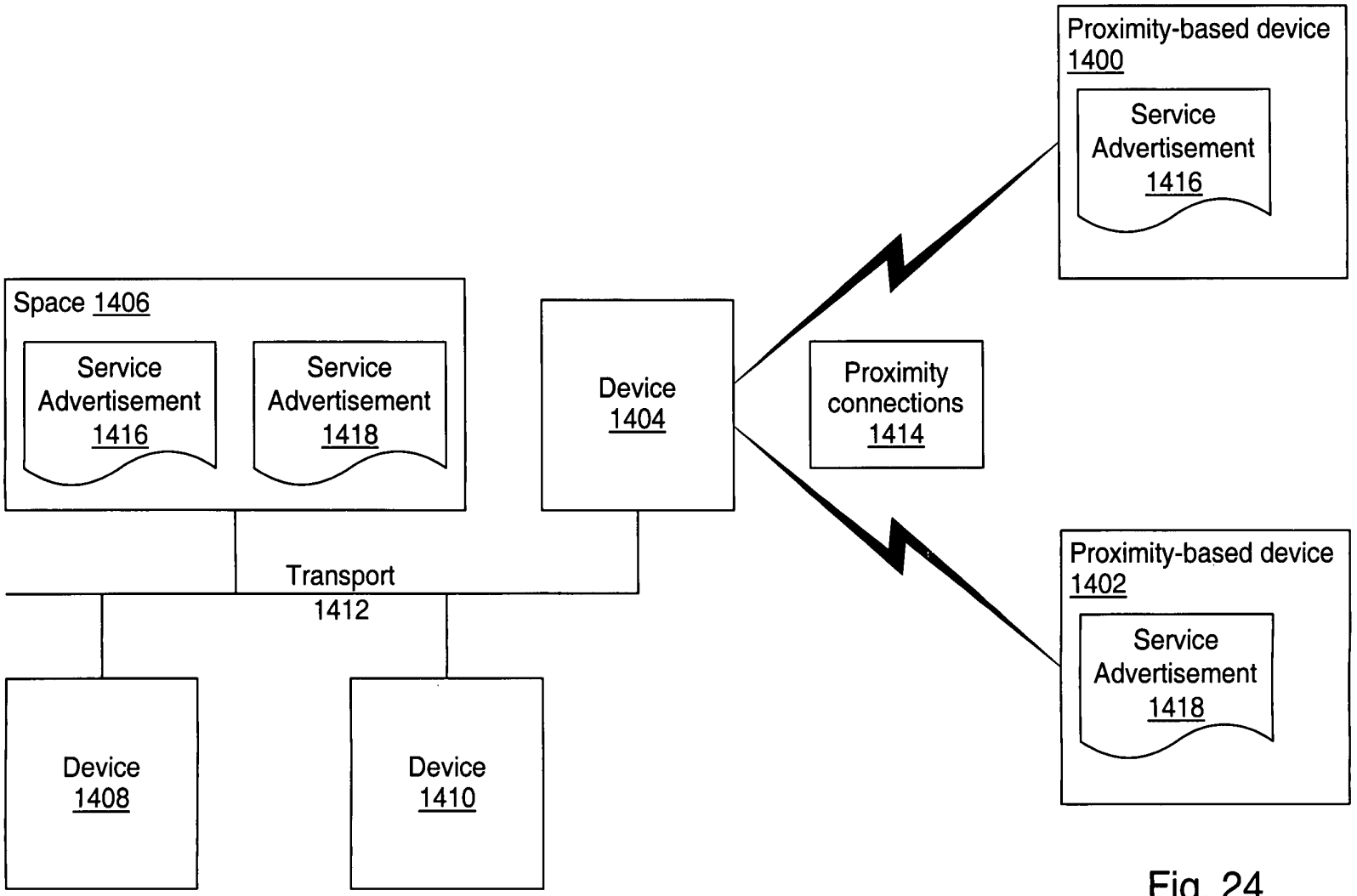


Fig. 24

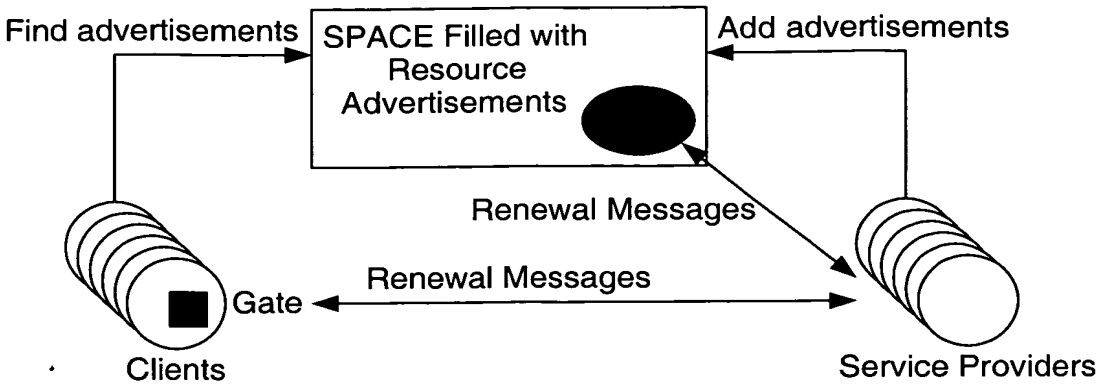


Fig. 25

0015934.0960

0605374-0360400

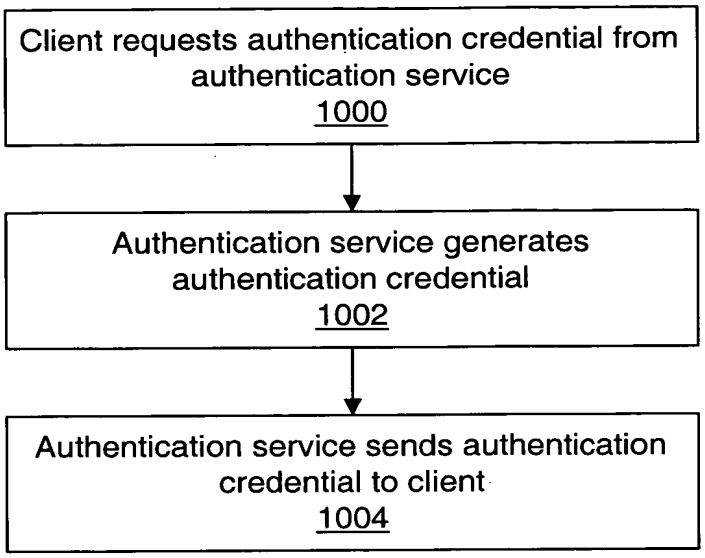


FIG. 26a

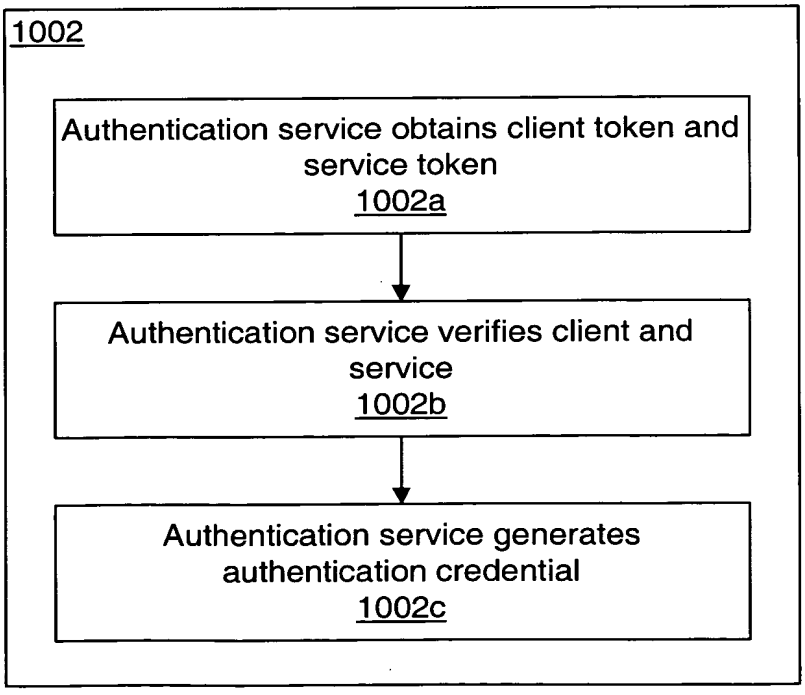


FIG. 26b

00TE80"hT9E5960

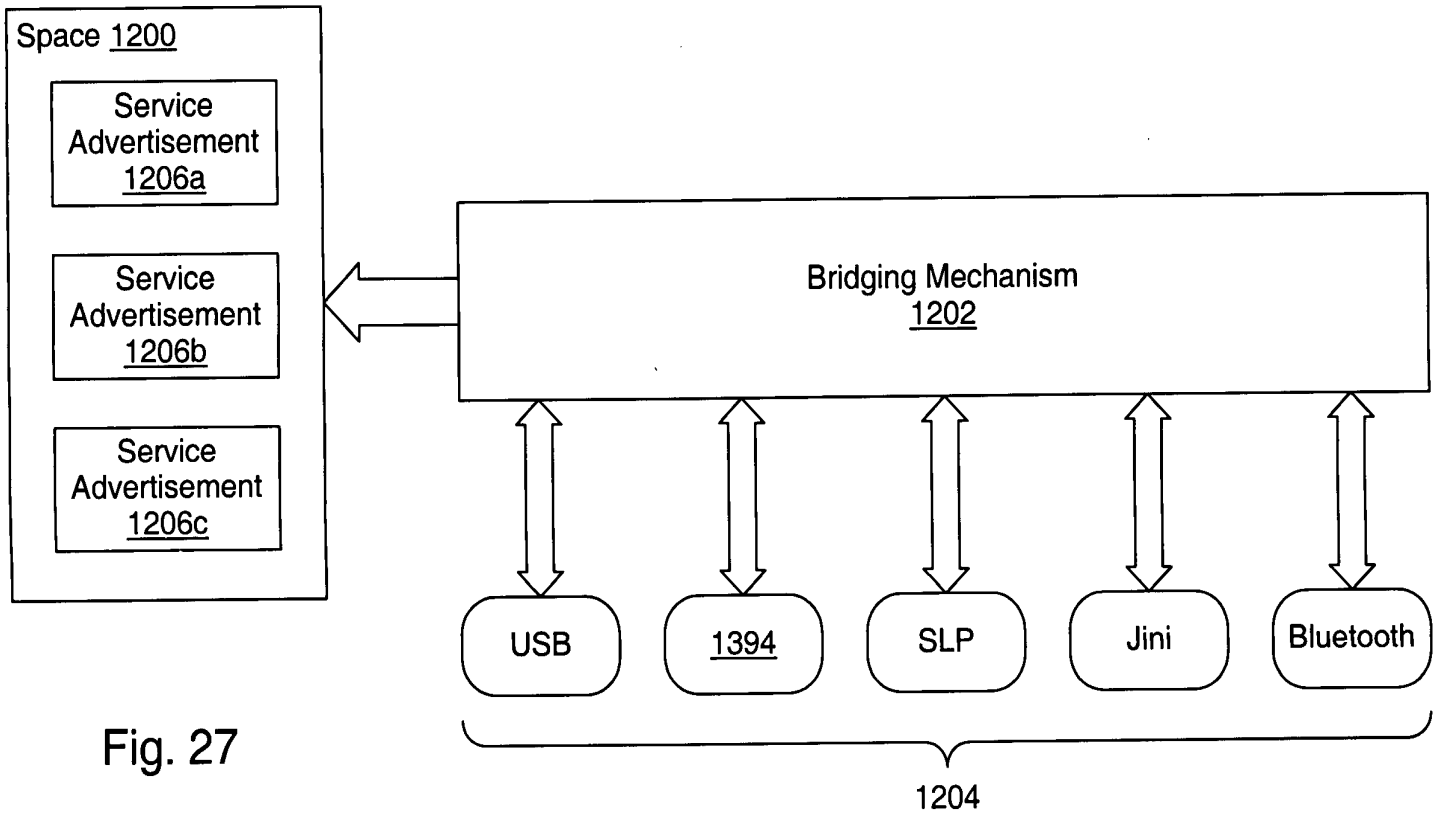


Fig. 27

DOTE80"hT9E5960

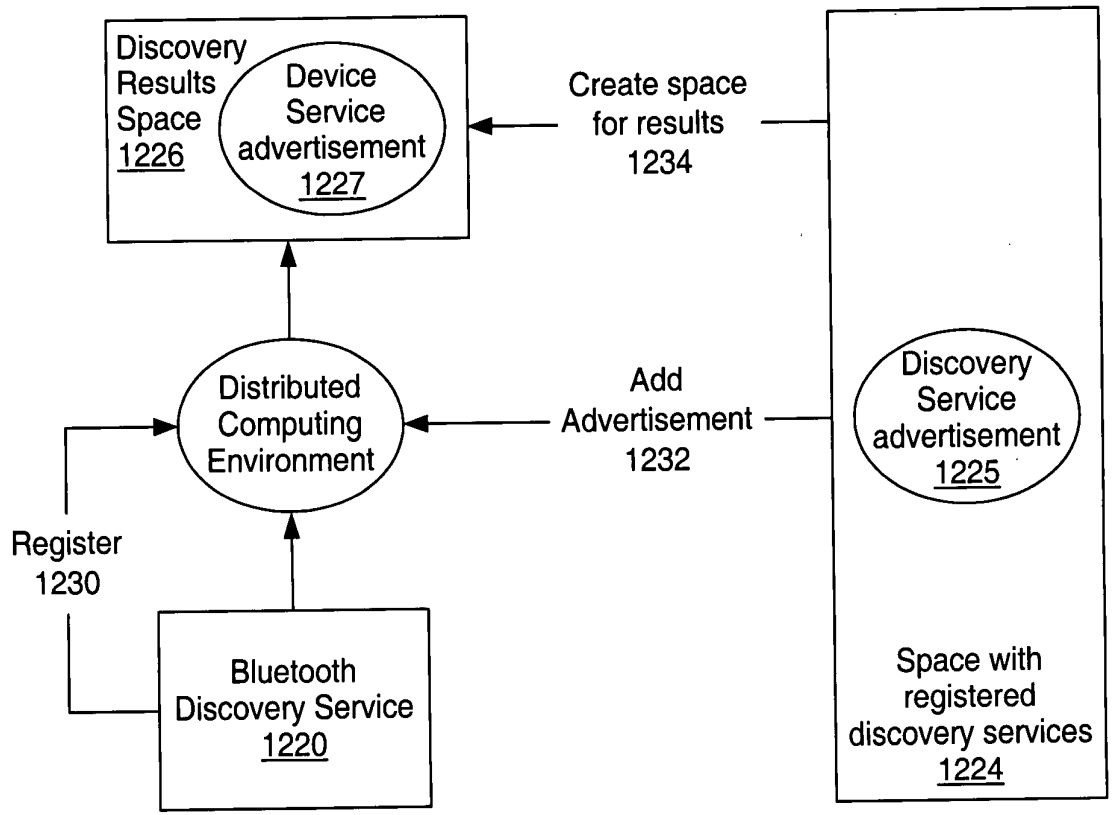
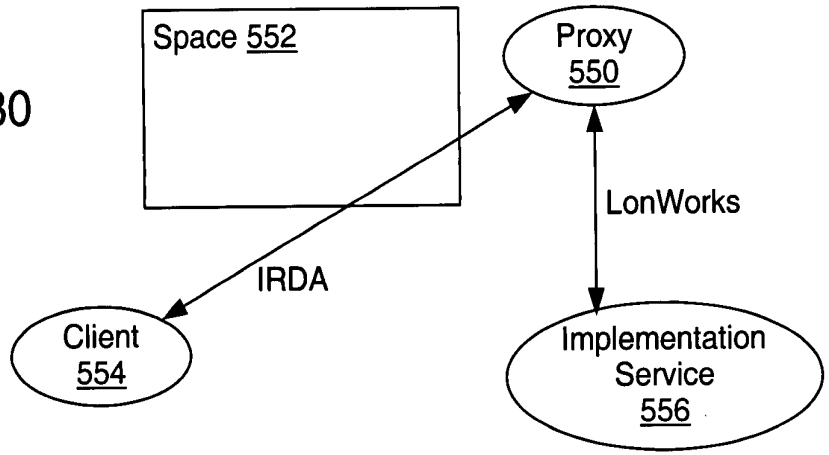


Fig. 28

DOTE80"hT9E5960

Fig. 30



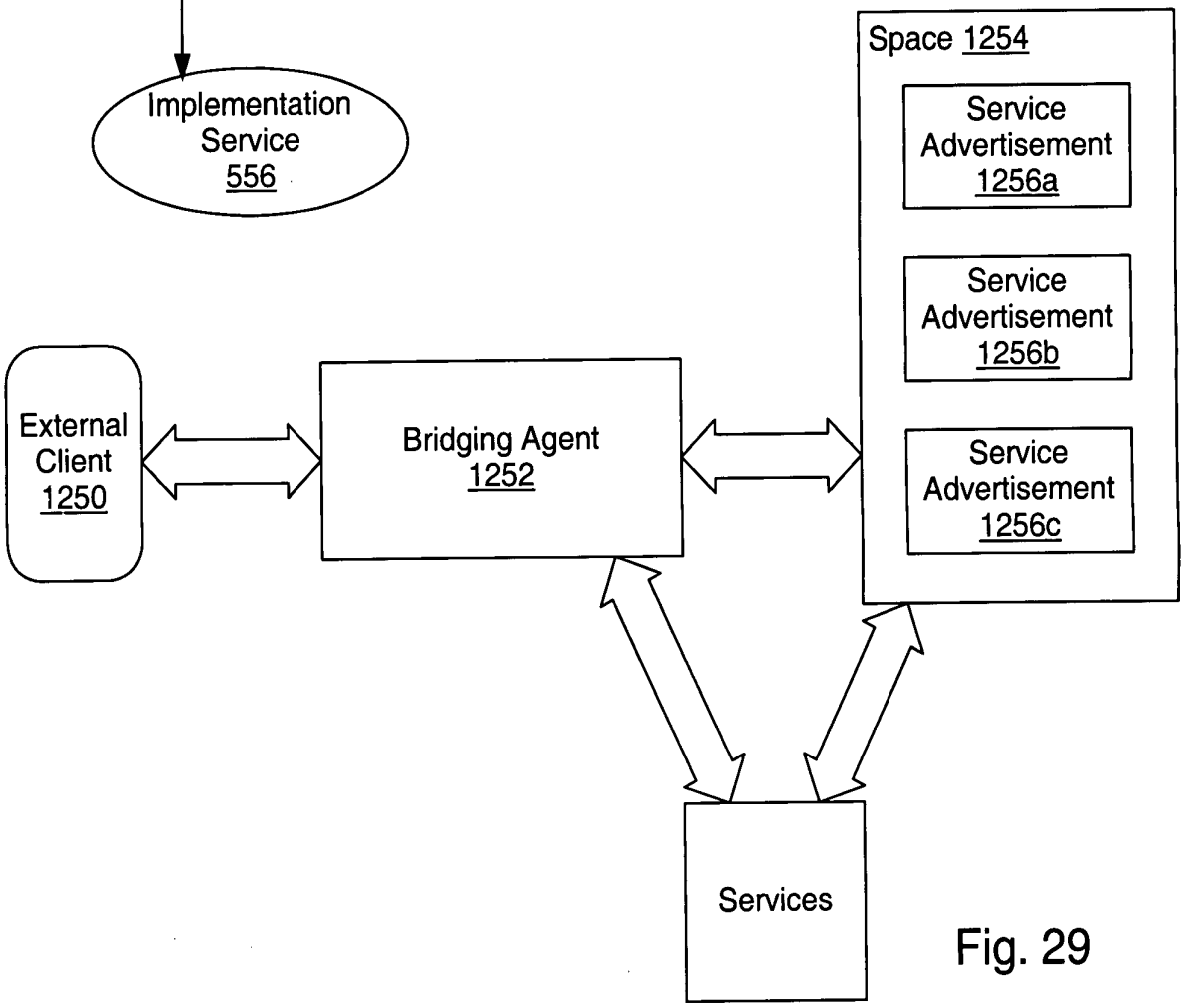


Fig. 29

00TE80"hT9E5960

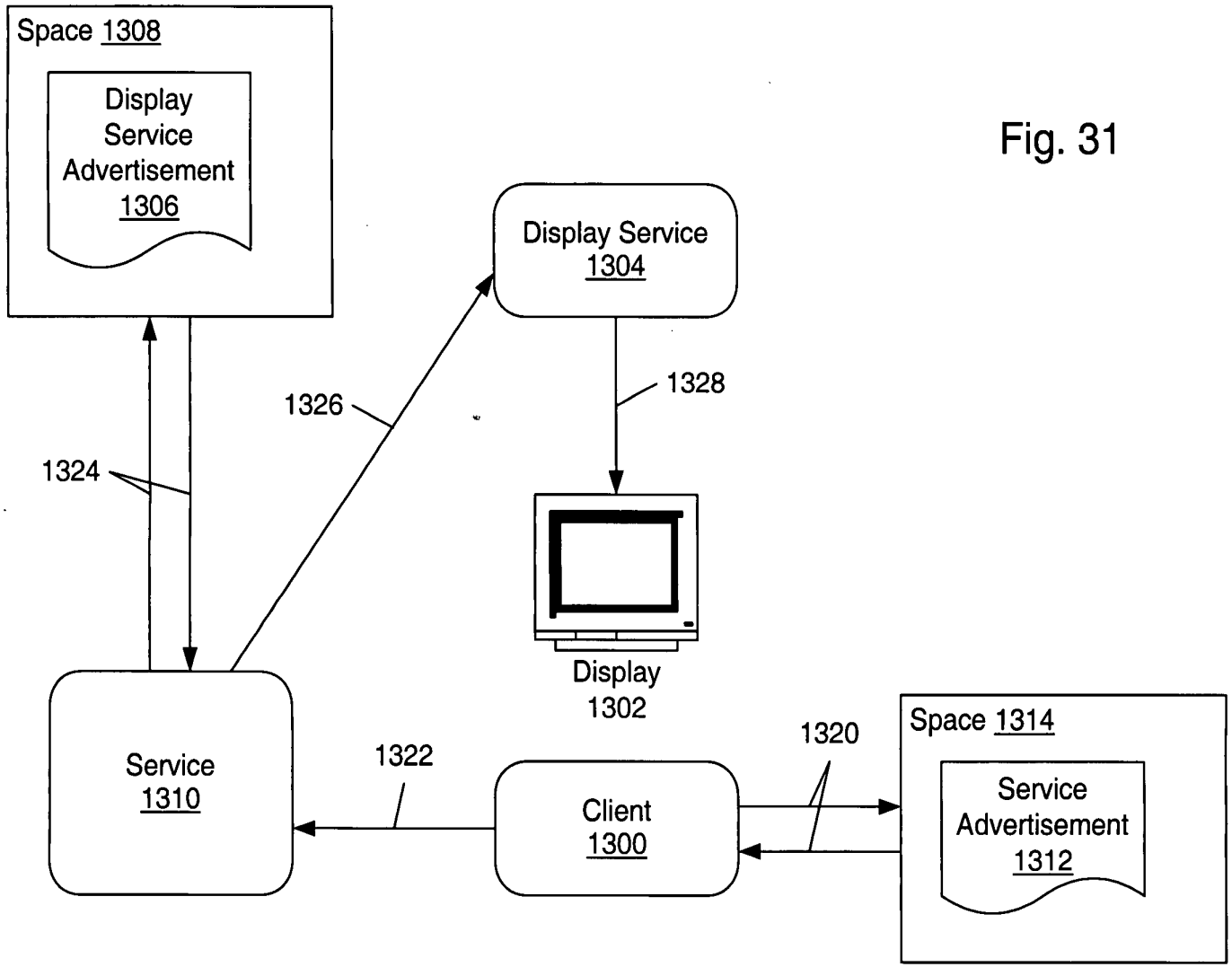


Fig. 31

DOTE80"hT9E59G0

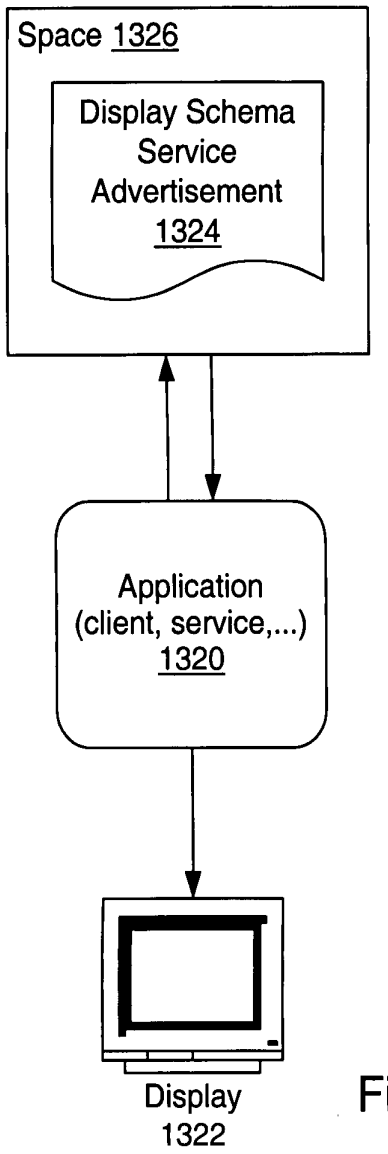


Fig. 32A

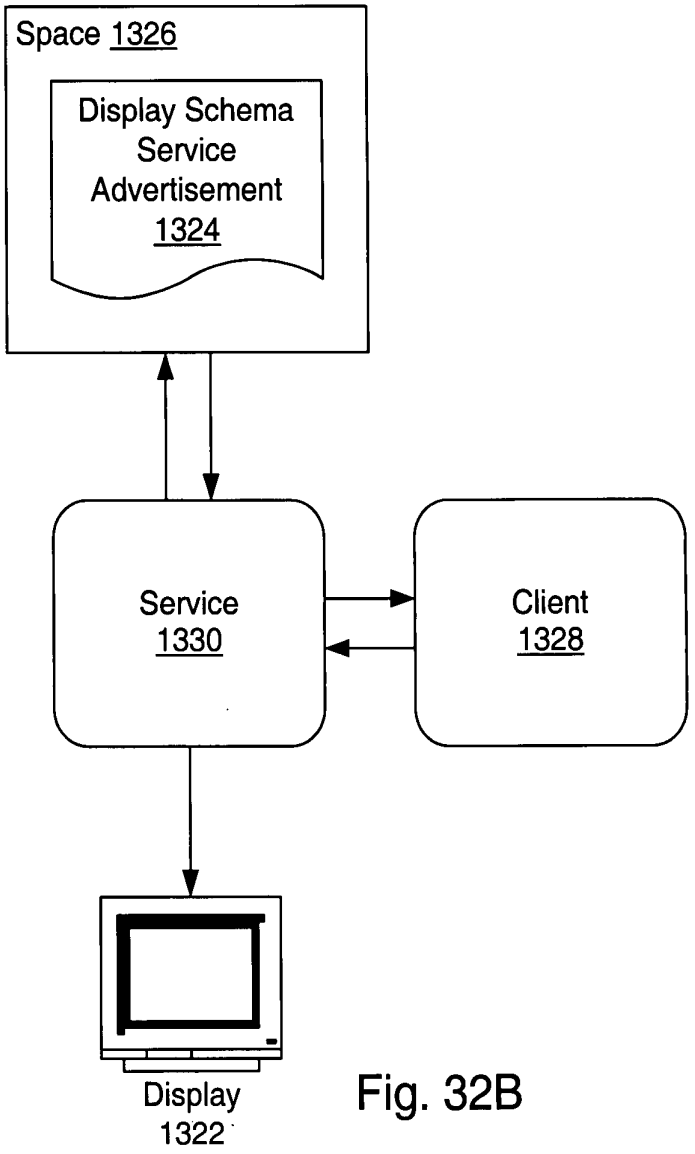


Fig. 32B

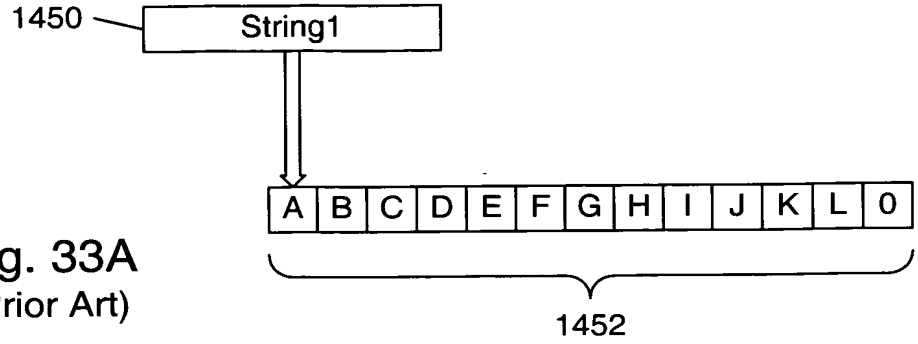


Fig. 33A
(Prior Art)

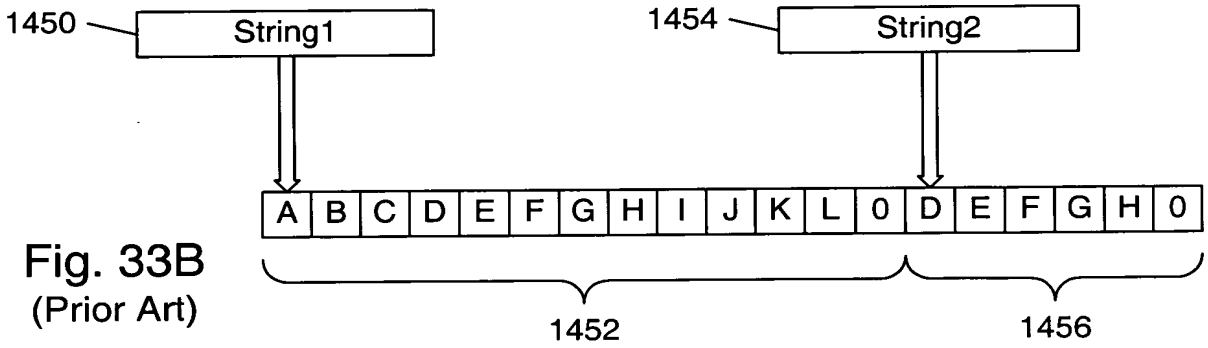


Fig. 33B
(Prior Art)

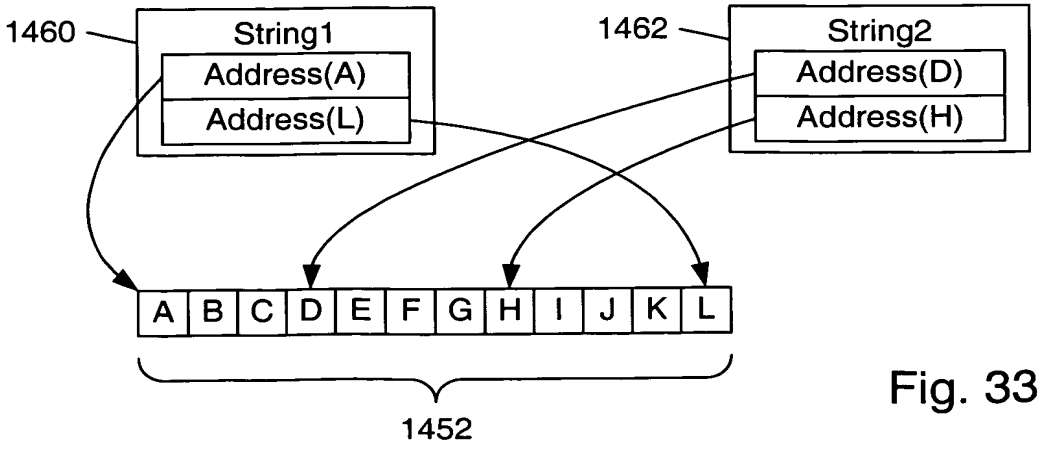


Fig. 33C

DOTE80 "ht9E5960

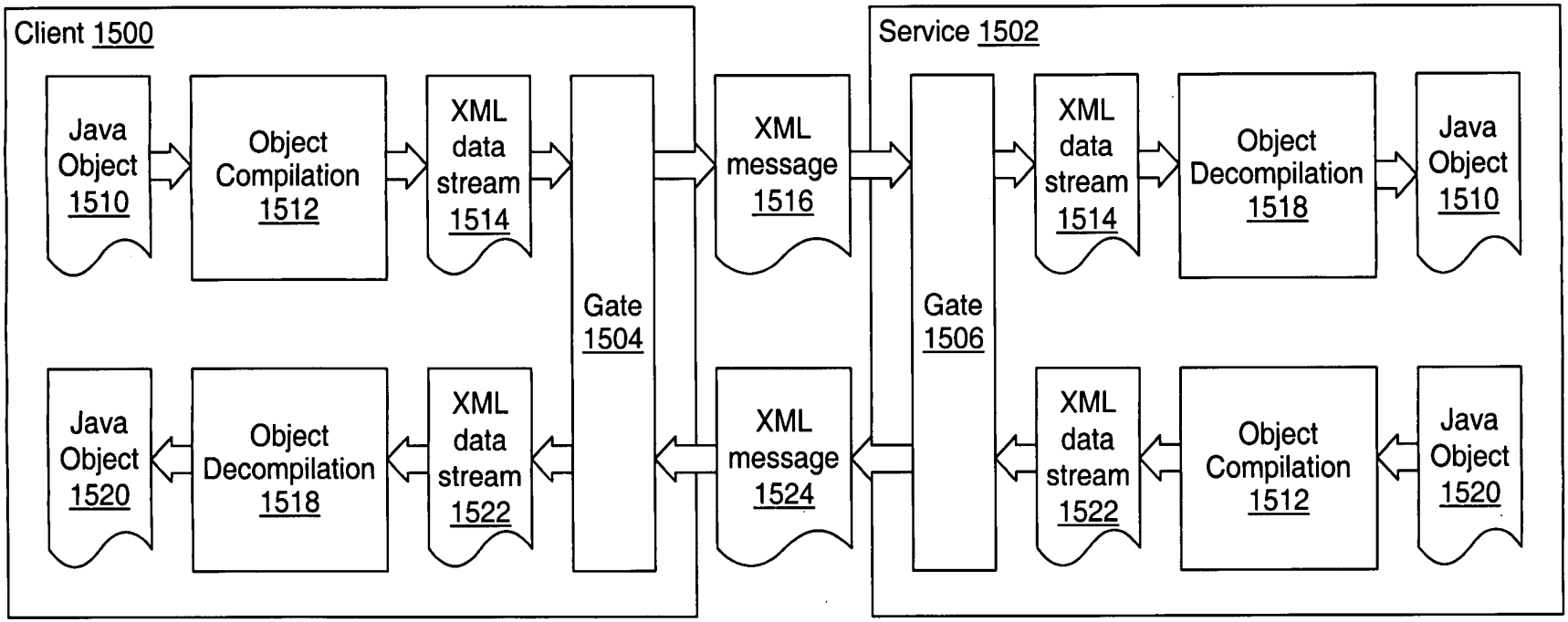


Fig. 34

DOTEBO"hT9E5960

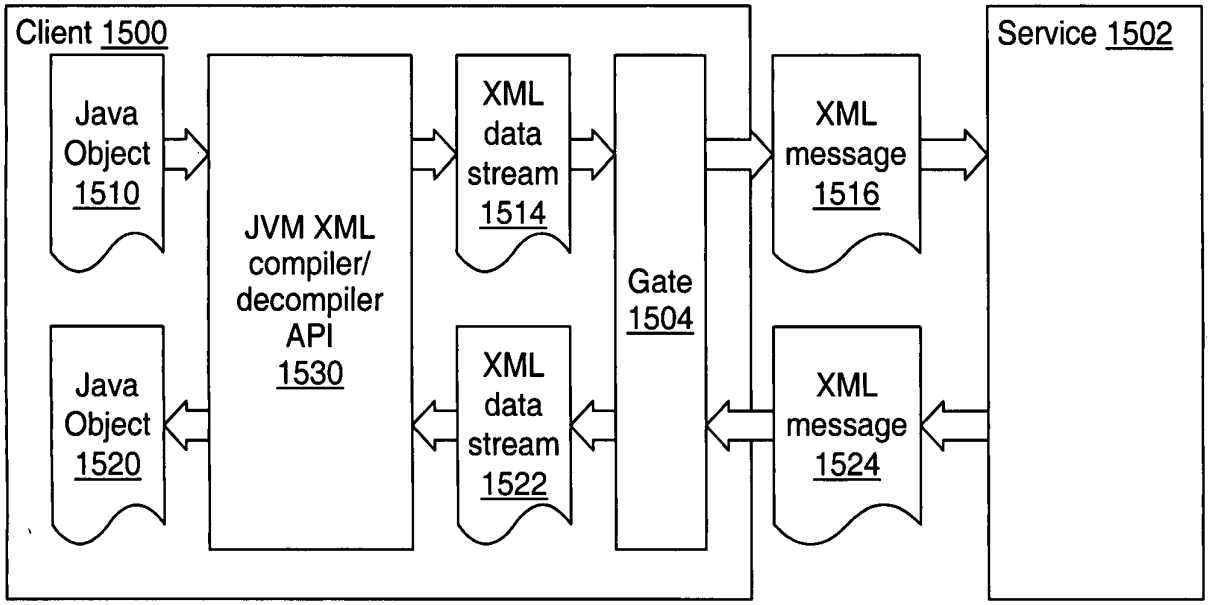


Fig. 35a

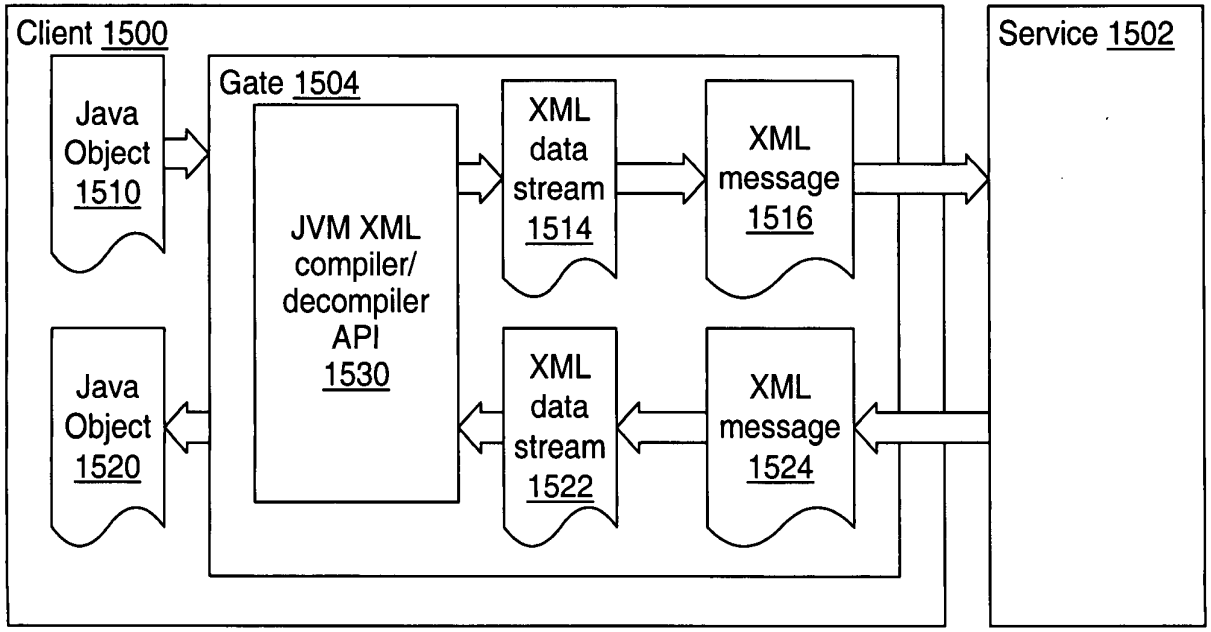


Fig. 35b

0DTE80"hT9E5960

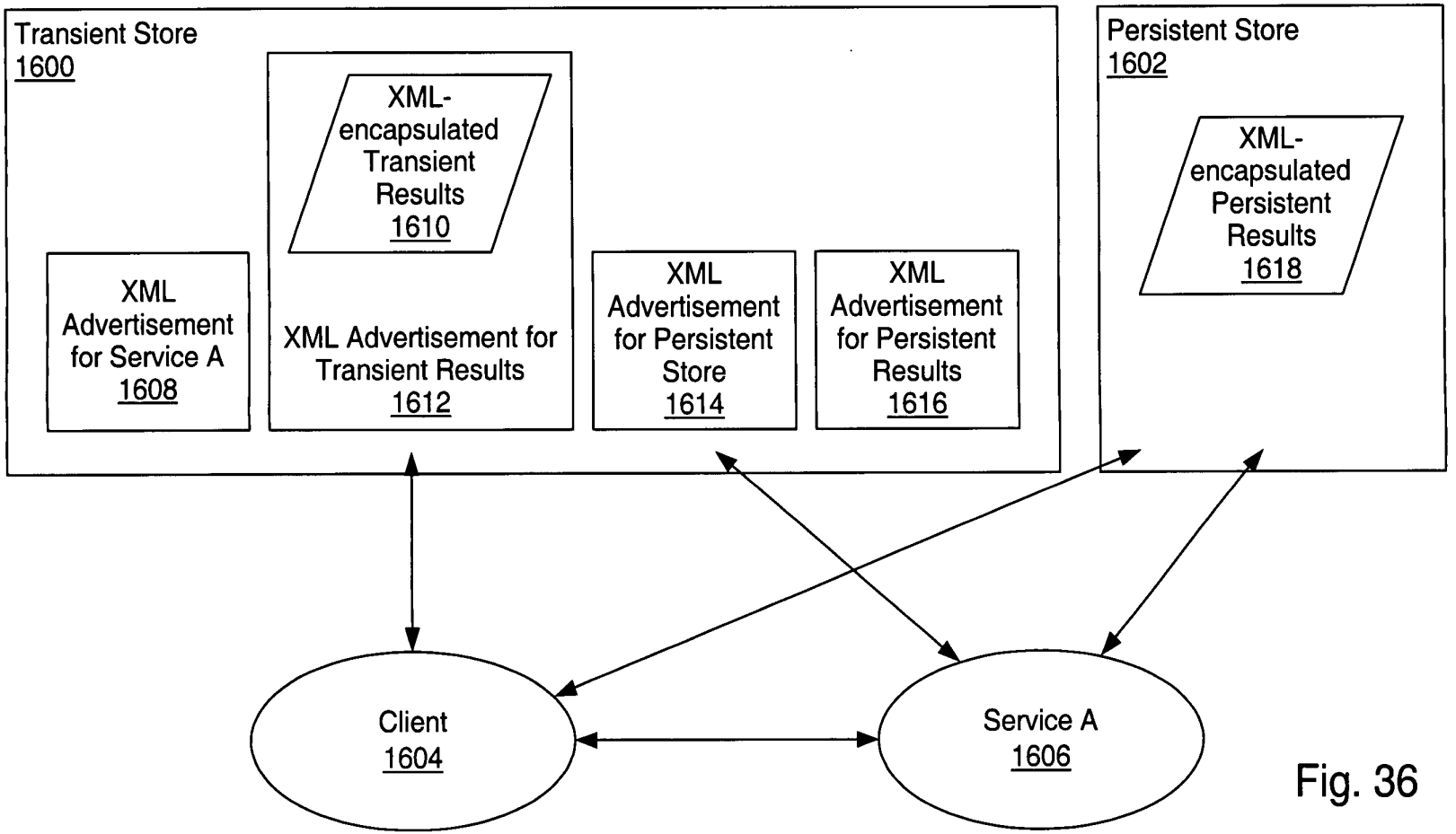


Fig. 36

DOCKET NO. 96539

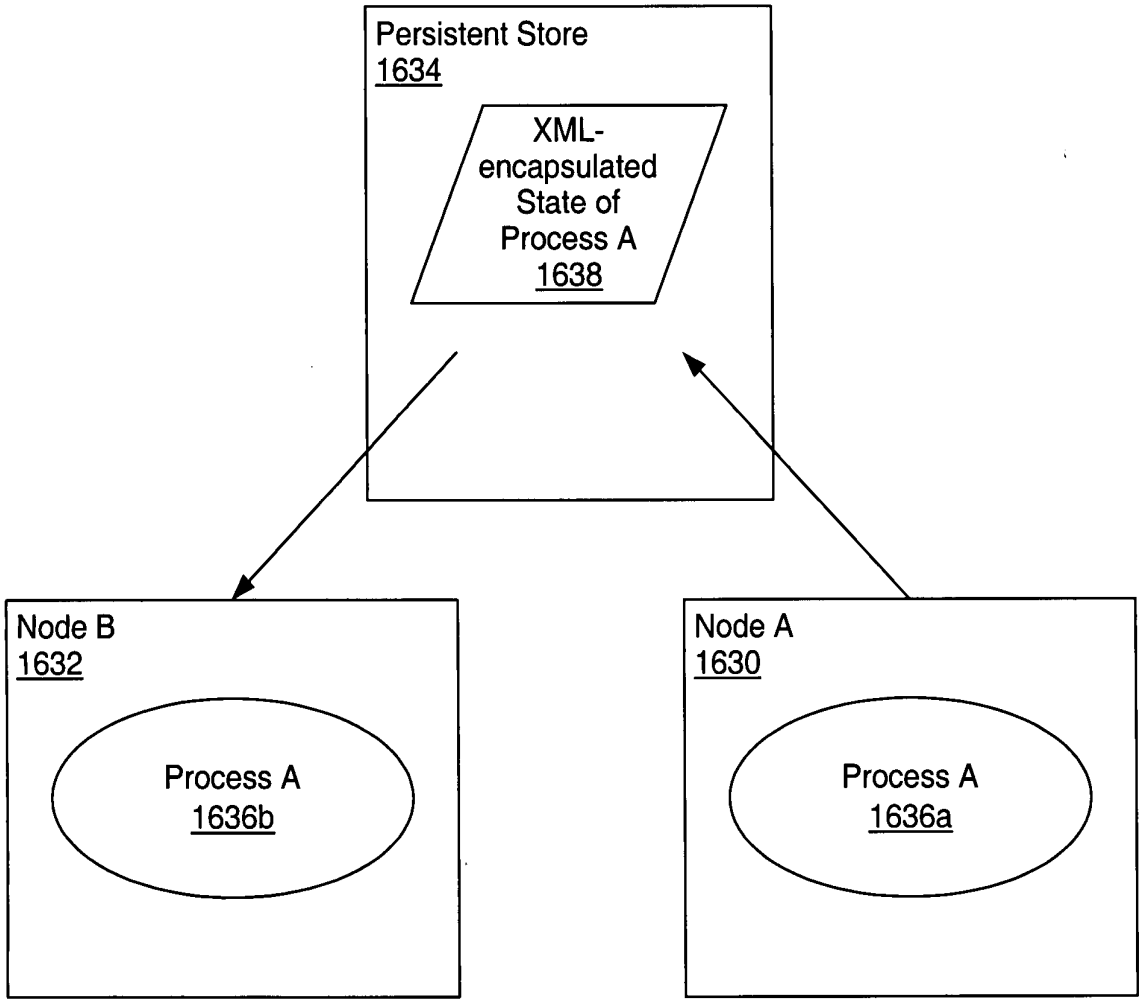


Fig. 37

00TE80"hT9E5960

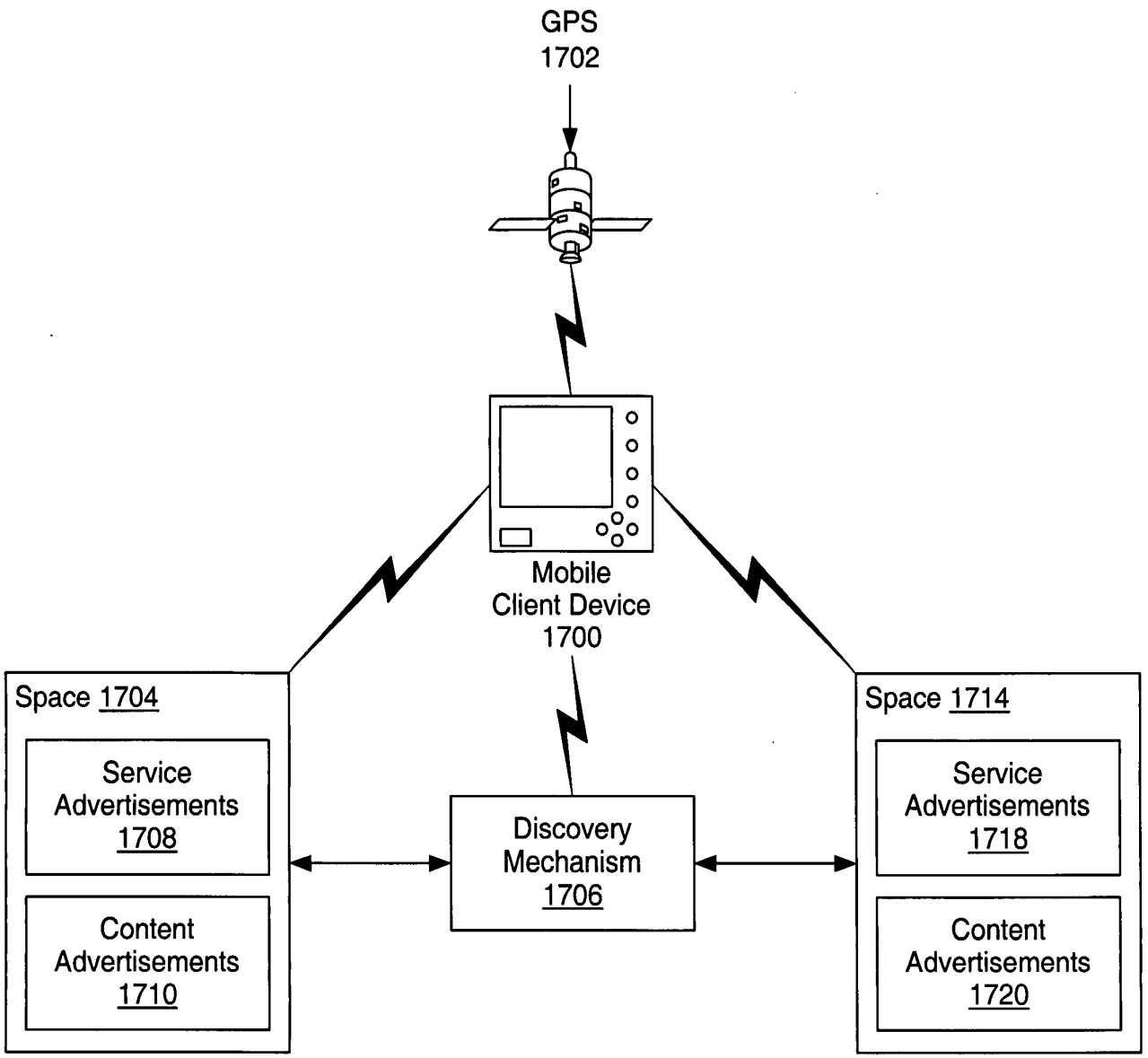


Fig. 38

00T680"hT9E5960

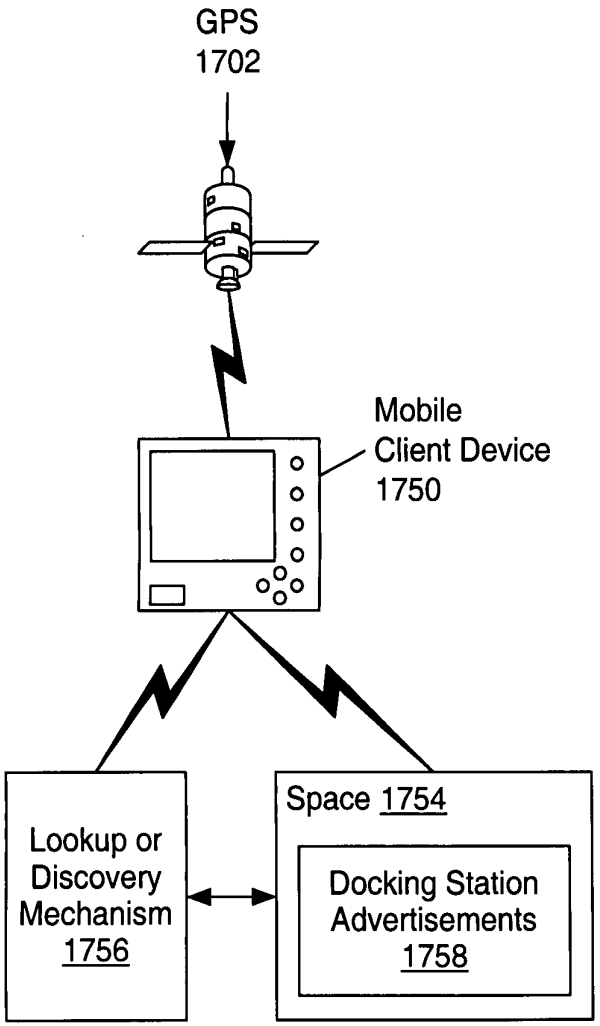


Fig. 39a

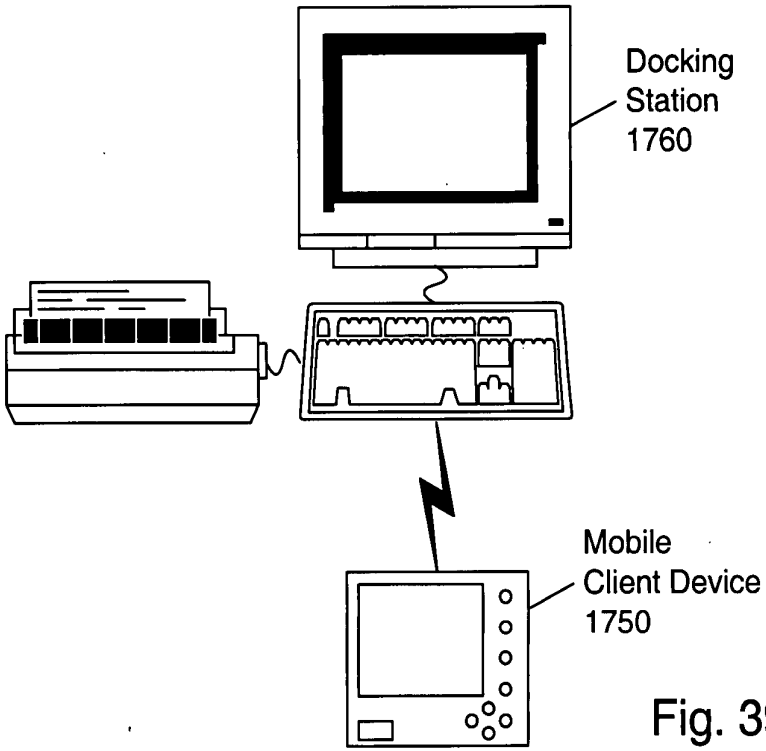


Fig. 39b

00TE80"hT9E5960

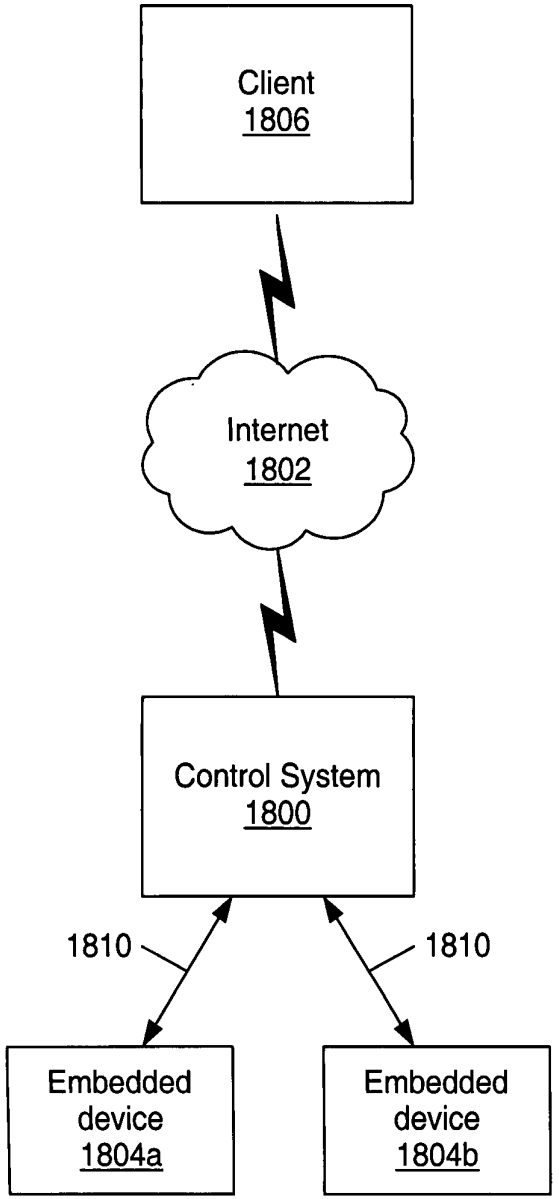


Fig. 40a

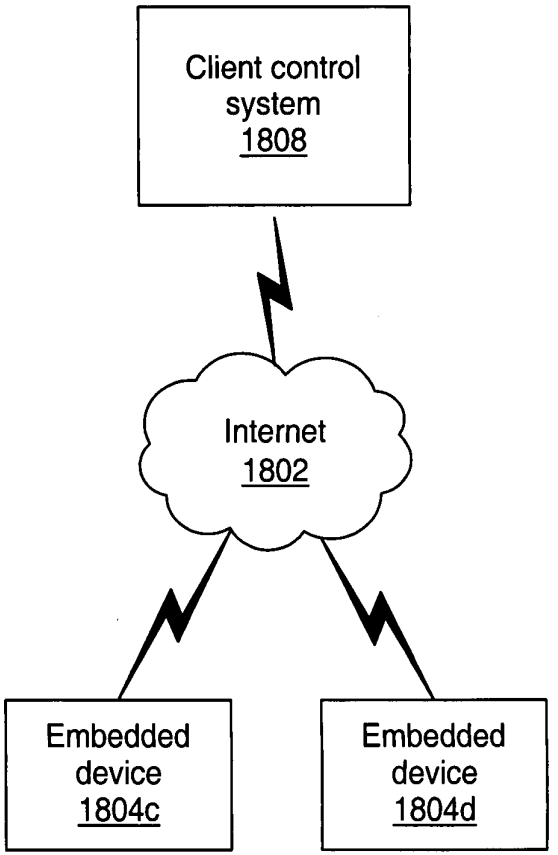


Fig. 40b

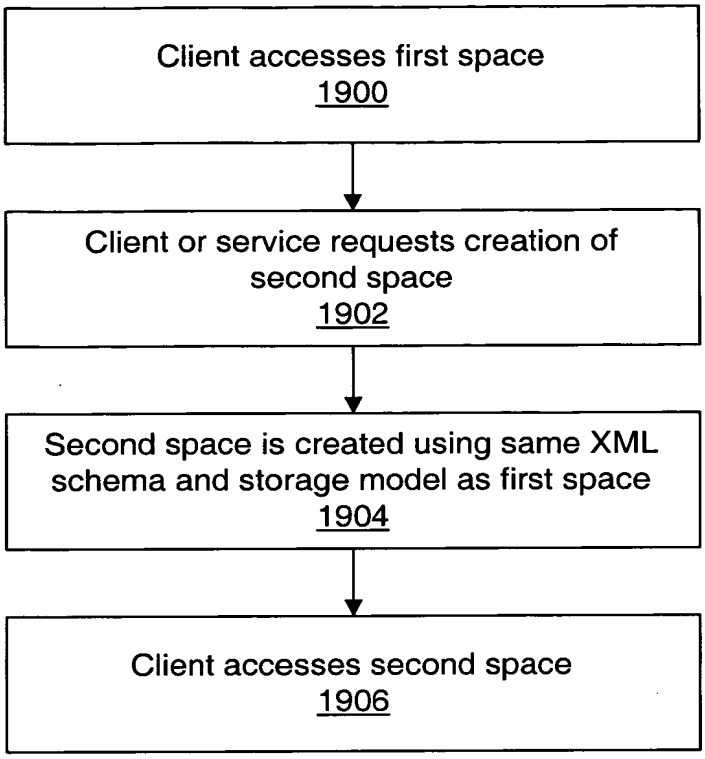

Client accesses first space
1900
Client or service requests creation of second space
1902
Second space is created using same XML schema and storage model as first space
1904
Client accesses second space
1906

FIG. 41

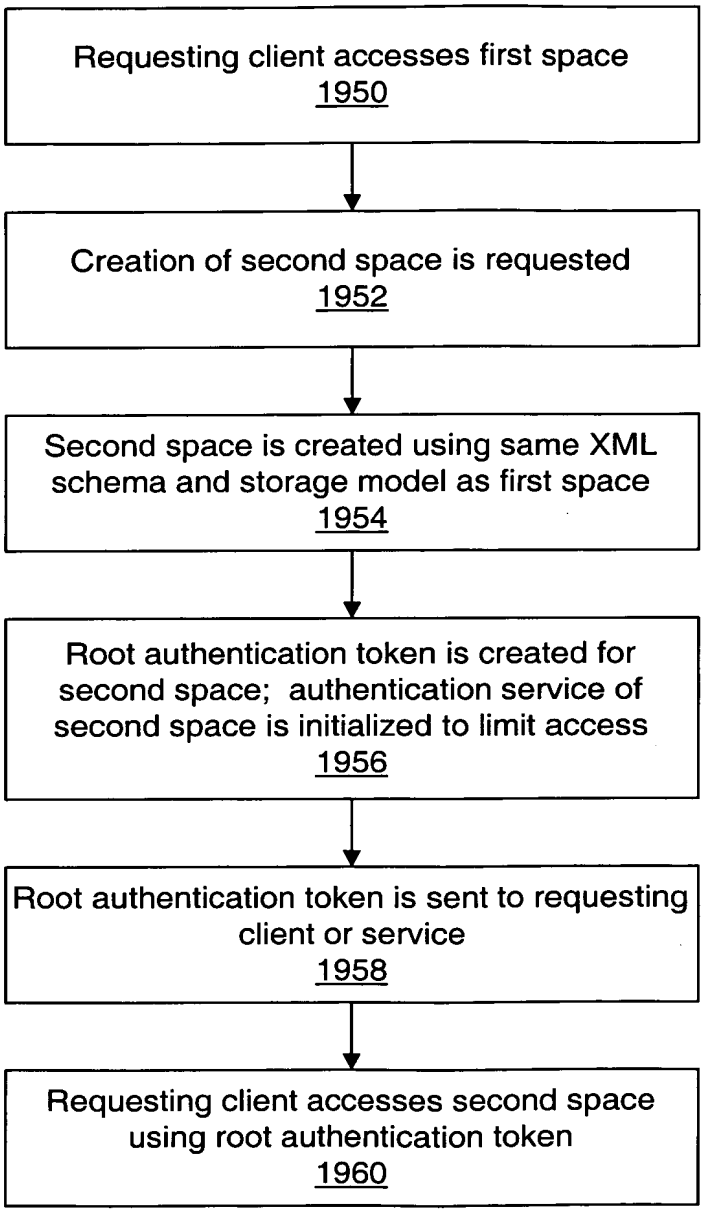

Requesting client accesses first space
1950
Creation of second space is requested
1952
Second space is created using same XML schema and storage model as first space
1954
Root authentication token is created for second space; authentication service of second space is initialized to limit access
1956
Root authentication token is sent to requesting client or service
1958
Requesting client accesses second space using root authentication token
1960

FIG. 42